FREECOM

USER MANUAL

DVD RW RECORDER LS PRO

EXTERNAL DOUBLE LAYER DVD RW DRIVE / LIGHTSCRIBE
USB 2.0 & FIREWIRE 400

WIN

Rev. 712

GB

Dear user!

welcome to the installation of your **Freecom DVD RW Recorder**. Before installing the drive, please read through the following points regarding its compatibility with your system.

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General information

Reliable performance of the Freecom DVD RW Recorder cannot be guaranteed for configurations that do not meet the following requirements:

Hardware Requirements

To use the Freecom DVD RW Recorder, you must have a computer with the following minimum requirements:

- Intel / AMD CPU 1.6 GHz or faster
- at least 512 MB RAM (1 GB recommended)
- USB (USB 1.1 or USB 2.0*) or Firewire 400 interface
- at least 2 GB of free hard disk space (10 GB recommended)

Software Requirements

The Freecom DVD RW Recorder is setup for use with the following operating systems:

- Windows 2000
- Windows XP
- Windows Vista

* For maximum performance of the Freecom DVD RW Recorder, both computer system and software must support USB 2.0. Connecting the Freecom DVD RW Recorder to a USB 1.1 interface will limit the CD recording speed to 4x. DVD recording is not reliable through USB 1.1.

Media standards

- DVD single/dual layer, DVD-R, DVD+R, DVD-RW, DVD+RW, CD-DA, CD-ROM, CD-ROM XA, CD Extra, CD-I, Mixed-ModeCD, VideoCD, PhotoCD, CD TEXT, Bootable CD, Disc At Once, Session At once, Track At Once, Multi-Session.

Precautionary Measures and General Notes

- After transport, particularly at low outside temperatures, condensation can form which can lead to a malfunctioning. For that reason, you should not begin operation until the drive and CDs/DVDs have reached room temperature.
- Operate the Freecom drive only in a horizontal position, to prevent damage to the media or mechanical parts.
- Operate the device only at temperatures ranging from 10 - 35 °C.
- Do not use the device in a dusty and humid environment.
- Protect the drive from shocks and other mechanical effects!
- The device should not be operated in the vicinity of strong electromagnetic radiation sources (loudspeakers, mobile telephones etc.).
- Due to the high data transfer rates, the cable length should not exceed 1 m. Error-free transmission cannot be guaranteed for longer cables.
- The DVD RW Recorder is USB 2.0 compliant. While USB 2.0 supports CD recording speeds higher than 4x, if this drive is connected to a USB 1.1 port the maximum CD recording speed is 4x.

Chapter 1: Start Up

1.1 Hardware installation

1. Connect the interface cable to the Freecom DVD RW Recorder.

2. Connect the cable of the power supply to the Freecom DVD RW Recorder and the power supply itself to the socket.

3. Connect the interface cable to the interface port of your computer.

4. Switch on the Freecom DVD RW Recorder.

Since USB 2.0 is backwards compatible with USB 1.1, the Freecom DVD RW Recorder can be connected to all USB ports. When connected to a USB 1.1 port, however, the performance (data transfer rate) of the Freecom DVD RW Recorder will be much lower than when the drive is connected to a USB 2.0 port.

Note: You can plug the USB cable into your computer and unplug it while the computer is running ("hot plug & play"). Remove the cable from the computer when doing so, never remove the cable from the drive when the computer is on.

For optimal performance, the Freecom DVD RW Recorder should always be connected to a USB 2.0/Firewire port.

1.2 Power Switch

The Freecom DVD RW Recorder is always powered, even if the USB/Firewire cable is disconnected from your computer. Therefore, please turn off the Freecom DVD RW Recorder if it is not used. The power switch is on the back side of the Freecom DVD RW Recorder.

Attention! Before switching off the Freecom DVD RW Recorder manually, make sure to safely remove the Freecom DVD RW Recorder via your operating system (the „unplug or eject hardware“ option in the Windows taskbar). Failing to do so may result in loss of data.

Note: In the event of no sound when an audio CD is placed into the Freecom DVD RW Recorder, "Enable Digital CD audio for this CD-ROM device" from within "Control Panel"-"Multi Media".

1.3 Driver Installation

Under Windows 2000 , XP and Vista a separate driver is not required. The drivers will be installed automatically by the operating system after plugging in the Freecom DVD RW Recorder into the USB port of your computer.

Your Freecom DVD RW Recorder is fully backwards compatible with USB 1.1. The installation for USB 1.1 is the same as described below for USB 2.0.

1.4 Allocation of the drive letter to the Freecom drive

After successfully completing the installation of the Freecom DVD RW Recorder, a new drive letter is assigned automatically (the first available letter after the internal DVD RW Recorders). This can shift the drive letter of an internal CD-ROM drive (for example, 'D' to 'E'). If this leads to problems, it is possible to change the drive letter assignment as follows:

1. Click "Start" - "Settings" - "Control Panel" - "Administration" - "Computer Administration".
2. Click "Disk Maintenance" and then select the Freecom drive.
3. In the "Operation" menu ("Action" in Windows XP), select All Tasks and then click Change drive letter and path.
4. In the next window, click "Change" and select a drive letter in Assign the following drive letters.
5. Click "Yes" to confirm your change.

Chapter 2: Installing the application software

To record blank media, you must first install the Recording Software. We recommend using the software which has been provided with your drive.

To install the application software, insert the "Application & Manuals" CD, klick "Easy Media Creator". Follow the instructions on screen.

Note: If you wish to use other software, please find out from the supplier whether his products support the Freecom DVD RW Recorder.

2.1 Special Instructions before Writing a CD / DVD

- You should realize that writing CD/DVDs is principally a sensitive data transmission procedure which can be disrupted by even the smallest mechanical disturbance.
- Never clean the Freecom DVD RW Recorder with a commercially available CD or a CD-ROM cleaning set. This can damage the drive.
- Recordable and Rewritable CD/DVDs (blanks) are more sensitive than commercially available CD/DVDs. Use only a solvent-free, non-abrasive marker when writing on a CD/DVD.
- Do not stick any conventional labels on the CD-Rs/CD-RWs, since the adhesive can attack the medium. Special labels for CD-R/CD-RW media are available in retail computer stores. Never remove a label from a CD-R/CD-RW media otherwise you will damage the protective layer and make the CD-R/CD-RW unusable.
- The drive recognizes the medium as soon as it is placed into the drive. CD-R media are compatible with the vast majority of CD-ROM drives and CD audio players and work in most DVD-ROM drives. DVDs created on this DVD Recorder can be viewed on nearly all DVD players and DVD-ROM drives.

For optimal results, use CD/DVDs with a brand name.

Chapter 3: Using the Drive

How to Use the Discs

Attention! When using CD-ROM, CD-R, CD-RW or DVD R/RW discs, don't attach any stickers or labels to the discs. Using discs with them attached not only causes read and write errors, but data on the disc may be lost due to damage to the disc itself.

3.1 Load the disc

1. Press the eject button.
2. Place the disc on the disc tray.

Note! When using a 8 cm CD, place it in the small round depression. The face with the label on it should be up. Never place two discs in the tray at the same time.

Be careful not to touch the recording surface of the disc.

3. Load the disc by pressing the eject button or by lightly pushing in the disc tray.

3.2 Disc ejection

1. Press the eject button.
2. Slowly take the disc out of the disc tray.
3. Press the eject button or push the disc tray and the tray will be brought back into the drive.

After ejecting the disc, return the tray inside the unit quickly. When the tray is in the ejected position, dust and other debris will enter, possibly causing read errors, write errors, or drive failure.

3.3 Emergency Eject

This drive has a function that allows the CD/DVD to be ejected manually if this becomes necessary in an emergency such as failure of the drive or a power outage. Follow the following procedures in such a case. Don't use this feature except in an emergency.

1. Turn the power to OFF.
2. Poke a fine tipped object into the small hole above the eject button. The front door pops open and the disk tray comes partway out.
3. Pull the front door to open it all the way, then grip the disc tray between thumb and forefinger and gently pull it straight out. This feature is a last measure to be used only in an emergency. Using it excessively will cause malfunction.

Note! If you cannot get a good grip on the disc tray with your fingers, use a steel binder clip or spring clamp to pull it out.

Chapter 4: Trouble shooting - General problems

If you still have problems getting your Freecom drive to function properly despite having installed it correctly, then please check the following items:

Hardware requirements:

- Does your system meets the hardware requirements (see page 4)?

Connecting the Freecom device:

- Is the cable connected correctly to your computer and the Freecom device? Check whether cable is plugged in correctly. The cable must firmly in place!
- Does the device have a power supply? Determine if the media can be ejected and if the device is getting power when the system boots.

Recording speed:

- The DVD RW Recorder is USB 2.0 compliant. While USB 2.0 supports recording speeds higher than 4x, if this drive is connected to a USB 1.1 port the maximum CD recording speed is 4x.

WARRANTY
(valid in Europe/Turkey only)

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